

ABSTRACT: An improved motorcycle wheel stand having a set of guide rails (12), a set of vertical supports (14), a positive stop (18), and a perpendicular stabilizing tube (16). The wheel is clamped by pressure supplied by an air spring (38) acting upon a pivoting lever (24) attached to a rotating shoe assembly (21) which rotates up and forward against the rear of the wheel, thus pushing the motorcycle into the stand. Removal of the motorcycle is accomplished by the pressing and cocking of assembly (21) by foot and rolling the motorcycle backwards. Assembly (21) is held down by virtue of the center line of spring (38) being out of line relative to spring mounting points (36) and (34) and the pivot point of lever (24).